



translation

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference ARL164WO	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/DE2003/001116	International filing date (day/month/year) 31 March 2003 (31.03.2003)	Priority date (day/month/year) 20 September 2002 (20.09.2002)
International Patent Classification (IPC) or national classification and IPC F21S 8/00		
Applicant ARNOLD & RICHTER CINE TECHNIK GMBH & CO. BETRIEBS KG		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 5 sheets, including this cover sheet.

☒ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 11 sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 20 April 2004 (20.04.2004)	Date of completion of this report 10 December 2004 (10.12.2004)
Name and mailing address of the IPEA/EP	Authorized officer
Facsimile No.	Telephone No.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International Application No.

PCT/DE2003/001116

I. Basis of the report

1. With regard to the elements of the international application:*

☐ the international application as originally filed

☒ the description:

pages _____, as originally filed
 pages _____, filed with the demand
 pages 1-4, 9-11, filed with the letter of 15 October 2004 (15.10.2004)

☒ the claims:

pages _____, as originally filed
 pages _____, as amended (together with any statement under Article 19
 pages _____, filed with the demand
 pages 1-12, filed with the letter of 15 October 2004 (15.10.2004)

☒ the drawings:

pages 1/3-3/3, as originally filed
 pages _____, filed with the demand
 pages _____, filed with the letter of _____

☐ the sequence listing part of the description:

pages _____, as originally filed
 pages _____, filed with the demand
 pages _____, filed with the letter of _____

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item. These elements were available or furnished to this Authority in the following language _____ which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
☐ the language of publication of the international application (under Rule 48.3(b)).
☐ the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
☐ filed together with the international application in computer readable form.
☐ furnished subsequently to this Authority in written form.
☐ furnished subsequently to this Authority in computer readable form.
☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
☐ the claims, Nos. _____
☐ the drawings, sheets/fig _____

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 and 70.17).

** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.
PCT/DE 03/01116

I. Basis of the report

1. This report has been drawn on the basis of *(Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.)*:

The replacement sheets 1-3, which contain additions <1> to <4> to the description pages 1-4 submitted on 15 October 2004, were renumbered (as page numbers 9-11).

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International Application No.

PCT/DE 03/01116

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**1. Statement**

Novelty (N)	Claims	1-12	YES
	Claims		NO
Inventive step (IS)	Claims	1-12	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-12	YES
	Claims		NO

2. Citations and explanations

US 2 287 328 is regarded as the prior art closest to the subject matter of claim 1. It discloses (the reference signs in parentheses refer to said document) a spotlight, in particular a stage, studio, film and/or television spotlight, with a light source (83) and a spotlight housing (10-13) that surrounds the light source (83) and consists of a lower, substantially cuboid spotlight housing part (13) and an upper, cylindrical spotlight housing part (10-12) with a translucent covering element (23), a ventilation shaft (40) having separate ventilation ducts being arranged on at least one housing wall (33) of the lower spotlight housing (13), said ventilation ducts being separated from each other by lamellas (42) that, within the ventilation shaft (40), have a first lamella section adjacent to the air inlet openings and a second lamella section that is bent away from the first lamella section and adjacent to the air outlet openings.

Therefore, the subject matter of claim 1 differs from that of the known document, US 2 287 328, in that on their air outlet sides, the lamellas have air conveying sections that are bent in different directions in relation to each other in order to convey the cooling air flows in the housing interior in a targeted manner.

Since US 2 287 328 does not provide such air conveying sections, the subject matter of claim 1 of the present application is novel within the meaning of PCT Article 33(2).

Neither US 2 287 328 nor the other documents cited in the search report mentions a spotlight with the technical features indicated in the characterizing part of claim 1, and therefore claim 1 of the present application is inventive within the meaning of PCT Article 33(3).

Dependent claims 2-12 are dependent on a claim that meets the requirements of PCT Article 33(1). Therefore these claims also meet the requirements.

The subject matter of the present application is industrially applicable in the lighting industry.